Index of Claims

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10/749,551

Examiner

Applicant(s)/Patent under Reexamination NAKANO ET AL.

Art Unit

3747

T. M. Argenbright

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α o Objected

| Claim Date                                       |          |  |          |              |              | Claim Date   |           |          |  |          |   | CI       | aim            | Date     |          |                         |                   |                     |             |          |          |              |            |          |                 |              |          |          |          |          |           |          |
|--|----------|--|----------|--------------|--------------|--------------|-----------|----------|--|----------|---|----------|----------------|----------|----------|-------------------------|-------------------|---------------------|-------------|----------|----------|--------------|------------|----------|-----------------|--------------|----------|----------|----------|----------|-----------|----------|
|  | <u>a</u> |  |          |              |              |              |           |          |  |          |   |          | - <del>-</del> |          |          |                         | $  \  $           |                     |             |          |          | _            | <u>a</u>   |          |                 | 1            | -        |          | -        |          |           |          |
| Final  | Original | 9/6/9  |          |              |              |              |           |          |  |          |   | Final    | Original       |          |          | 1                       |                   |                     |             |          |          | Final        | Original   |          | - 1             |              | - 1      |          | - 1      |          |           |          |
| ű.   | ij       | 5/9  |          |              |              |              | Ιİ        |          |  |          |   | 证        | Ö              |          |          |                         |                   |                     |             |          |          | ίΞ           | Ğ          |          |                 | -            | -1       |          | -        |          | ı         |          |
|  |          |  |          |              |              | _            |           |          |  |          |   |          |                |          | _ _      | _                       | $\sqcup$          | _                   |             | _        |          |              |            |          | _               | - -          | 4        | 4        | 4        | $\dashv$ | 4         | _        |
|  | 1        | ·  |          |              | _            | _            | Ш         | Щ        |  |          |   | <u></u>  | 51_            | _        | _        | 4_                      | $\sqcup$          |                     |             | _        |          |              | 101        |          | _               | 4            | 4        | 4        | _        | 4        | 4         | _        |
|  | 2        | _  | _        |              | _            |              |           |          |  |          |   | L        | 52             | $\dashv$ | _        | +-                      |                   | _                   | _           | _        |          |              | 102        |          | $\dashv$        | $\perp$      | 4        | _        | _        | -        | $\dashv$  | 4        |
|  | 3        | _  | -        |              | <u> </u>     | _            | Н         | _        | Ш  |          |   | <u> </u> | 53             |          | +        | +-                      | $\vdash$          | +                   |             |          |          |              | 103        | $\dashv$ | $\dashv$        | +            | +        |          |          |          |           | 4        |
|  | 5        | H  | -        |              | -            | <u> </u>     | -         | _        | H  |          |   | <u> </u> | 54<br>55       | $\dashv$ | +        | +                       | +                 | $\dashv$            |             | _        |          |              | 104<br>105 |          |                 | +            | +        | $\dashv$ |          | +        | $\dashv$  | $\dashv$ |
|  |          | -1   | Н        |              | <del> </del> | -            | Н         | $\vdash$ | $\vdash$   | _        |   |          | 56             | -        | +        | +                       | $\vdash$          | $\dashv$            |             | -        |          |              | 106        | -        |                 |              | -        | ᅱ        | $\dashv$ | +        | $\dashv$  | ᅱ        |
|  | 6<br>7   | -  | -        |              | ⊢            | <del> </del> | Н         |          | Н  |          |   |          | 57             | -        | +        | +                       | ┨                 |                     | +           | -        |          |              | 107        | $\dashv$ | -               | +            | ╅        | ┪        | }        | $\dashv$ | -+        | 러        |
| <u> </u>   | 8        | =  |          |              | ┢            | -            | Н         | -        | H  | _        |   | -        | 58             | $\dashv$ | ╫        | +                       | $\vdash$          | $\dashv$            | +           | $\vdash$ |          |              | 108        | $\dashv$ | $\dashv$        | +            | $\dashv$ | +        | $\dashv$ | $\dashv$ | -+        | -        |
|  | 9        | ┮  | H        |              | ⊢            |              | Н         |          | Н  |          |   | _        | 59             |          | +        | +-                      | $\vdash$          | $\dashv$            | +           |          |          |              | 109        | $\dashv$ | -               | +            | $\pm$    | 寸        | ~ +      | +        |           | -        |
| _  | 10       | H  | $\vdash$ |              | $\vdash$     | -            | H         |          | Н  |          |   | _        | 60             | -        | ╅        | +                       | 1-1               | $\dashv$            | -   -       |          |          |              | 110        | $\dashv$ | _               | 十            | 十        | ヿ        | $\neg$   | -        | $\dashv$  | _        |
| $\vdash$   | 11       |  | 1        |              | Ė            |              | Н         | $\vdash$ | Н  | -        |   |          | 61             | +        | $\top$   | +                       | $\dagger \exists$ | $\dashv$            | $\top$      | $\vdash$ |          |              | 111        |          | _               | $\top$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |          |
|  | 12       | Т  | $\vdash$ |              | t            | T            | H         | $\vdash$ |  | -        |   |          | 62             |          | $\dashv$ | $\top$                  | $\sqcap$          | $\dashv$            | 1           | Г        |          |              | 112        |          |                 | 十            | $\dashv$ | _        | 7        | 十        | 7         |          |
|  | 13       | Г  |          | $\vdash$     |              | Г            | П         |          | $\vdash$   |          |   |          | 63             | $\vdash$ | ┰        | 1                       | $\sqcap$          | $\neg$              | $\top$      | Г        |          | -            | 113        | П        |                 | 十            | 7        | 7        |          | $\neg$   | $\dashv$  |          |
|  | 14       | Г  | Г        |              | П            | П            | П         |          | $\Box$   |          |   |          | 64             |          | ┪        |                         |                   | $\neg$              | $\top$      |          |          |              | 114        |          |                 | T            |          |          | $\Box$   | $\dashv$ | $\exists$ |          |
|  | 15       | <del>                                     </del> |          |              |              |              |           |          |  |          |   |          | 65             |          |          |                         |                   |                     |             |          |          |              | 115        |          |                 |              |          |          | 亅        | 丁        | J         |          |
|  | 16       |  |          |              |              |              |           |          |  |          |   |          | 66             |          |          |                         |                   |                     |             |          |          |              | 116        |          |                 |              |          | ╛        | ╛        |          |           |          |
|  | 17       |  |          |              |              |              |           |          |  |          |   |          | 67             |          |          | $oldsymbol{\mathbb{I}}$ |                   |                     |             |          |          |              | 117        |          |                 |              | $\Box$   | ┚        |          | $\Box$   | $\Box$    |          |
|  | 18       |  |          |              |              |              |           |          |  |          |   |          | 68             |          |          |                         |                   |                     |             |          |          |              | 118        |          |                 |              |          |          |          | $\Box$   |           |          |
|  | 19       |  |          |              |              |              |           |          |  |          |   |          | 69             |          |          |                         |                   |                     |             |          |          |              | 119        |          |                 |              | $\perp$  |          |          | $\dashv$ | $\Box$    |          |
|  | 20       |  |          |              |              |              |           |          |  |          |   |          | 70             | Ш        |          |                         | Ш                 |                     |             | <u>L</u> |          |              | 120        |          |                 | ┵            | _        | _        |          |          | _         |          |
|  | 21       |  |          |              |              |              |           |          |  |          |   |          | 71_            |          | $\perp$  | $\perp$                 | Ш                 | _                   |             |          |          |              | 121        |          |                 | _            | _        | _        |          | $\dashv$ | _         |          |
|  | . 22     | <u> </u>   | <u></u>  | _            | L            | ļ            |           |          |  |          |   |          | 72             |          |          |                         | $\perp$           | $\dashv$            |             | L_       |          |              | 122        |          | $\perp$         | _            | 4        | _1       | _        |          | _         |          |
|  | 23       |  | _        |              | <u> </u>     | 乚            |           |          | L  |          |   |          | .73            | Ш        | $\perp$  | Ц_                      | Ш                 | _                   |             | _        |          |              | 123        |          |                 | 4            | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |          |
| <u></u>  | 24       | _  | L.       |              | <u> </u>     | L            |           | <u> </u> |  |          |   |          | 74             | Ш        | 4        |                         | $\bot$            | _                   | _           | _        |          |              | 124        | _        | Щ.              | 4            | -        |          | _        | $\dashv$ | $\dashv$  |          |
|  | 25       | <u> </u>   | <u> </u> | _            | <u> </u>     | <u> </u>     | L         | L.       | L  | _        |   |          | 75             | $\sqcup$ | _        |                         | $\square$         | _                   |             | _        |          |              | 125        | $\vdash$ | -               | 4            | 4        |          | _        | $\dashv$ | 4         |          |
|  | 26       | <u> </u>   | ļ        |              | ļ            | <u> </u>     | ┞-        | <u> </u> | _  | _        |   |          | 76             | $\vdash$ | +        | +                       | $\dashv$          | -                   | _           | ├-       |          |              | 126        | _        | $\vdash$        | $\dashv$     | $\dashv$ |          |          | $\dashv$ |           |          |
|  | 27       | ┡  | ⊢        | _            | -            | <b> </b>     | <u> </u>  | _        | _  |          |   | <u> </u> | 77             | $\vdash$ | -        | -                       |                   |                     |             | ├-       |          |              | 127        | -        | $\vdash$        | +            | -+       |          | -        | $\dashv$ |           | _        |
|  | 28       | -  | ⊢        | _            | ⊢            | <b>├</b> ─   | ⊢         | -        | ┝  | _        |   | <u> </u> | 78<br>79       |          | +        | +                       |                   | -+                  |             | ⊢        |          | _            | 128<br>129 | -        | -               | +            | $\dashv$ | -        |          | $\dashv$ | $\dashv$  |          |
|  | 29       | ┢  | ⊬        | -            | ╀            | ┝            | ├         | -        | ⊢  | _        |   |          | 80             | $\vdash$ | +        | -                       |                   | -+                  |             | ├        |          |              | 130        | -        | $\vdash$        | +            | ┥        |          | $\dashv$ | $\dashv$ | $\dashv$  |          |
| -  | 30       | ┝  | ├        | -            | -            | ┢            | ├         | -        | ⊢  |          |   |          | 81             | $\vdash$ | +        | +                       | $\vdash$          | -                   | -           | ₩        |          |              | 131        | -        |                 | +            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | _        |
| ├  | 31<br>32 | <u> </u>   | ┢        | -            | -            | ┢            | ├         | -        | ⊨  |          | ł |          | 82             | ╁        | +        | - -                     | +                 |                     | +           | ├        | 1        |              | 132        | H        | $\vdash$        | -+           | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |          |
|  | 33       | +  | $\vdash$ | $\vdash$     | +            | $\vdash$     | -         | -        | $\vdash$   | -        |   | -        | 83             | $\vdash$ | +        | ╁                       | $\vdash$          | +                   | +           | $\vdash$ | 1        | <del></del>  | 133        | $\vdash$ | $\vdash$        | +            | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  |          |
| $\vdash$   | 34       | ╁  | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$  | -        | $\vdash$   | _        |   | $\vdash$ | .84            |          | +        | +                       | $\vdash$          | +                   | $\dashv$    | $\vdash$ |          | <del> </del> | 134        |          |                 | 十            | +        | -        | $\dashv$ | $\dashv$ | $\dashv$  |          |
| <del>                                     </del> | 35       | $\vdash$   | $\vdash$ | -            | +-           | $\vdash$     | $\vdash$  | $\vdash$ | <del>                                     </del> | _        |   | $\vdash$ | 85             | -+       | $\dashv$ | +                       | $\vdash$          | $\dashv$            | +           | H        | 1        | <u> </u>     | 135        | $\vdash$ | $\vdash$        | $^{\dagger}$ | 7        | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$    |          |
| <del>                                     </del> | 36       | H  | $\vdash$ | _            | $t^{-}$      | $\vdash$     | T         | Н        | ┢  | $\vdash$ | 1 |          | 86             |          | _        | $\top$                  | $\top$            | $\dashv$            | $\dashv$    | $\vdash$ | 1        | $\vdash$     | 136        | $\vdash$ |                 | +            | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$  | _        |
| <del>                                     </del> | 37       | T  | 1        | _            | $t^-$        | $\vdash$     | T         | t        | <del>                                     </del> | H        |   |          | 87             | 1        | 十        | $\top$                  | $\top$            | $\dashv$            | $\top$      | T        |          | <u> </u>     | 137        | $\vdash$ | 1 1             | 1            | 7        | $\neg$   | $\neg$   | $\dashv$ | ᅥ         | _        |
|  | 38       | 1  |          | $\vdash$     | T            | T            | T         | t        | $\vdash$   |          |   |          | 88             | $\Box$   | _        | $\top$                  | $\sqcap$          |                     | $\top$      | T        | 1        |              | 138        | $\vdash$ |                 | $\dashv$     | 寸        | $\neg$   |          | $\neg$   | $\neg$    |          |
|  | 39       | 1  | T        |              | 1            |              |           | T        | Г  | Г        | 1 |          | 89             | $\sqcap$ | 7        | $\top$                  | П                 |                     | $\neg$      | Γ        | ]        |              | 139        |          |                 | _            |          |          |          |          |           |          |
|  | 40       | T  |          |              | Ť            | Т            |           | Π        |  |          | ] |          | 90             |          | $\Box$   | $\top$                  |                   |                     |             |          | ];;;;;   |              | 140        |          |                 |              |          |          |          |          |           |          |
|  | 41       | T  |          |              |              |              |           |          |  |          | ] |          | 91             |          |          |                         |                   |                     |             |          | ]        |              | 141        |          |                 | $\prod$      | I        |          |          |          |           |          |
|  | 42       |  |          |              |              |              |           |          |  |          |   |          | 92             |          |          |                         |                   | $\Box$              |             |          |          |              | 142        |          |                 | $\bot$       | $\Box$   |          |          | $\Box$   |           |          |
|  | 43       |  |          |              | ·            |              |           |          |  |          |   |          | 93             |          |          |                         |                   | $\Box$              |             | 匚        |          |              | 143        |          | П               | $\bot$       | $\Box$   |          |          | $\Box$   |           | _        |
|  | 44       |  |          |              | 匚            |              | 匚         |          | ļ  |          |   |          | 94             | $\sqcup$ | $\perp$  | ·                       |                   | Ц                   |             | $\perp$  |          |              | 144        |          | $\perp \perp$   | _            | _        | _        | _        | Ц        | $\dashv$  |          |
|  | 45       |  | L        |              | 1            |              | $\perp$   |          | <b>└</b>   | <u> </u> |   | <u></u>  | 95             | $\sqcup$ | $\perp$  | $\bot$                  | $\perp$           | $\sqcup$            |             | <u> </u> |          |              | 145        |          | $\sqcup$        | $\perp$      | _        |          | _        | $\dashv$ | _         |          |
|  | 46       | _  |          |              | 1            | _            | $\perp$   | <u> </u> | <u> </u>   | _        |   | <u> </u> | 96             | Щ        |          |                         | $\perp$           | $\sqcup$            |             | <u> </u> |          |              | 146        | <u> </u> | $\sqcup$        | $\dashv$     | 4        | _        | _        | $\dashv$ | _         |          |
|  | 47       | 1  | <u> </u> | _            | ╄            | <u> </u>     | 1_        | ↓_       | <u> </u>   | _        |   | <u> </u> | 97             | $\sqcup$ | $\bot$   | 4                       | $\perp$           | $\sqcup$            | - -         | ┞-       | 4        |              | 147        | _        | $\vdash \vdash$ | $\dashv$     | 4        | _        | $\dashv$ | $\dashv$ | 4         |          |
|  | 48       | ↓_   | <u> </u> | $oxed{oxed}$ | _            |              | ┞         | $\vdash$ | _  | _        |   | <u> </u> | 98             | $\sqcup$ | _        | -                       | -                 | $\vdash \vdash$     |             |          | <b>.</b> |              | 148        | _        | $\vdash \vdash$ | 4            | 4        | _        | _        | $\dashv$ |           | _        |
|  | 49       | ₩  | ┞        |              | -            | <del> </del> | ↓         | <u> </u> | -  | _        |   | <b></b>  | 99             | $\vdash$ | _        | +                       | <del> </del>      | $\vdash \downarrow$ | <u> -</u> - | $\vdash$ | <b> </b> | <u> </u>     | 149        | <u> </u> | $\vdash$        | $\dashv$     | 4        | _        | _        | $\dashv$ | 긕         |          |
|  | 50       | <u>L_</u>  | 1        | 乚            |              | <u> </u>     | <u>L.</u> |          |  |          | J | :L       | 100            | $\sqcup$ |          |                         | 1                 |                     |             |          | ]:::::   |              | 150        | L        | <u> </u>        | $\perp$      |          |          |          |          |           | _        |